## FIGURE 1A

### Basic Operators

| A | B | C | D | E | F |
|---|---|---|---|---|---|
| Boolean Logic | Set Theory | Propositional Logic | Conventional Logic Diagram | BGI | Diagrammatic Boole Logic |
| AND | ∩ | ∧ | ⊃ | ⊚ | AND |
| OR | ∪ | ∨ | ▮ | ⊘ | OR |
| NOT | / | ⊨ | ◯ | ▨ | NOT |
| EXCLUSIVE OR | | | ▷ | ◑◑ | EXCLUSIVE OR |
| NOT OR (NOR) | ⋎ | | ▮◦ | ◉ | NOR / NOT OR |
| NOT AND (NAND) | ⋏ | | ⊃◦ | ◐ | NAND / NOT OR |
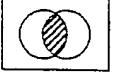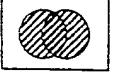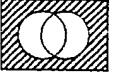
## FIGURE 1B

### Other Operators

| Description | E SCI |
| --- | --- |
| TIME DELAY | |
| START/ GO FOR HARD | |
| STOP | |
| STATUS OK | |
| REVERSE/ GO BACKWARD | |
| RANK | |
| RANK | |
| WEIGHTED AVERAGE | |
| STATISICAL ANALYSIS | |
| INDUCTIVE LOGIC | |
| DEDUCTIVE LOGIC | |
| TOP DOWN SEARCH | |
| BOTTOM UP SEARCH | |
| INTELLIGENT AGENT | |
| ADAPTIVE INTERFACE | |
| CRISP LOGIC | |
| FUZZY LOGIC | |
| REPEAT | |
| ROBUST MORE/LESS (t=s=c.) | |
| QUANTILE | |
| REMOVE TAILSOF DISTRIBUTION (from Z Standard Deviations) | |
| OUTLIERS | |
| LAUNCH (Applicationsc.) | |

| Description | E SCI |
| --- | --- |
| ROBUST MORE/LESS (t=s=c.) | |
| QUANTILE | |
| REMOVE TAILSOF DISTRIBUTION (from Z Standard Deviations) | |
| OUTLIERS | |
| LAUNCH (Applicationsc.) | |
| BLOCK-MODELLING | |
| LINEAR ANALYSIS | |
| NON-LINEAR ANALYSIS | |
| DISCONTINUOUS DATA | |
| HETEROSCEDASTICITY | |
| NEGATIVE SKEW | |
| POSITIVE SKEW | |
| NON-INDEPENDENT DATA | |
| EXPERIMENTAL ANALYSIS | |
| EVOLUTIONARY ANALYSIS | |
| NONSENSE | |
| MULTICOLLINEARITY | |
| ADD LIQUID | |
| STEP UP | |
| STEP DOWN | |
| BEAT INGREDIENTS | |
| HEAT | |
| COOL | |

## FIGURE IC

SEMANTIC
ANALYSIS


AMERICAN
ENGLISH

FUZZY
LOGIC


CRISP
LOGIC

1 + 1 = 2
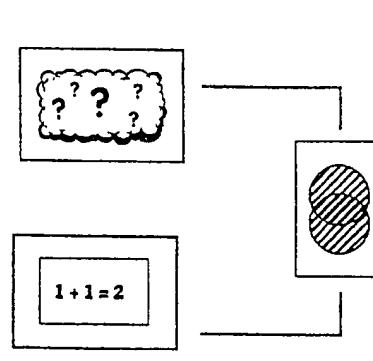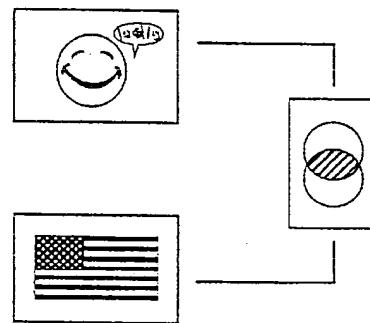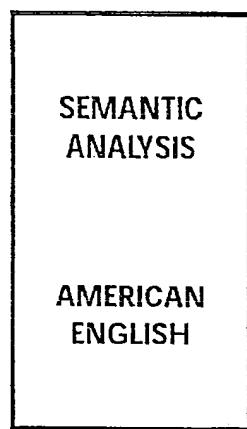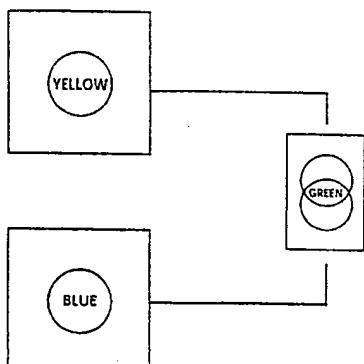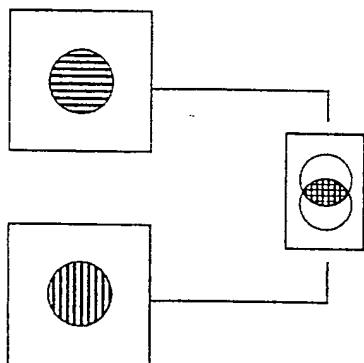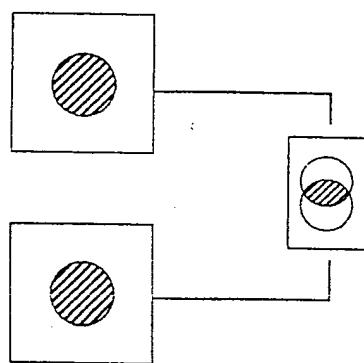
**FIGURE 1D**

# FIGURE 2A

| | |
|---|---|
| [(TRADED: NASDAQ N-MARKET) | OR |
| (TRADED NYSE)] | AND |
| (COMMON STOCK) | AND |
| (P/E < 12x) | AND |
| P/BOOK < 1.25x) | AND |
| (DIVIDEND YIELD > 4%) | AND NOT |
| (FINANCIAL SECTOR COMPANY) | |

FIGURE 2B

FIGURE 3A

| | | |
|---|---|---|
| COMMON STOCKS | 82,004 | 8,626 |
| NASDAQ N-MARKET | 13,470 | 16,842 |
| NYSE | 3,376 | |
| P/E < 12 | 4,582 | 919 |
| P/BOOK < 1.25 | 6,656 | 298 |
| DIVIDEND YIELD > 4% | 10,586 | 40 |
| FINANCIAL SECTOR | 39,758 | 35 |

FIGURE 3B



| NASDAQ N-MARKET | 13,470 | 16,842 | 8,626 | 919 | 298 | 40 | 35 |

| NYSE | 13,470 |

| COMMON STOCKS | 3,376 |

| P/E < 12 | 4,582 |

| P/BOOK < 1.25 | 6,656 |

| DIVIDEND YIELD > 4% | 10,586 |

| NOT FINANCIAL SECTOR | 39,758 |

FIGURE 4

FIGURE 5A

54

59

60

61

62

55

FIGURE 5B

57″                                    57″

58

57″                                    57″
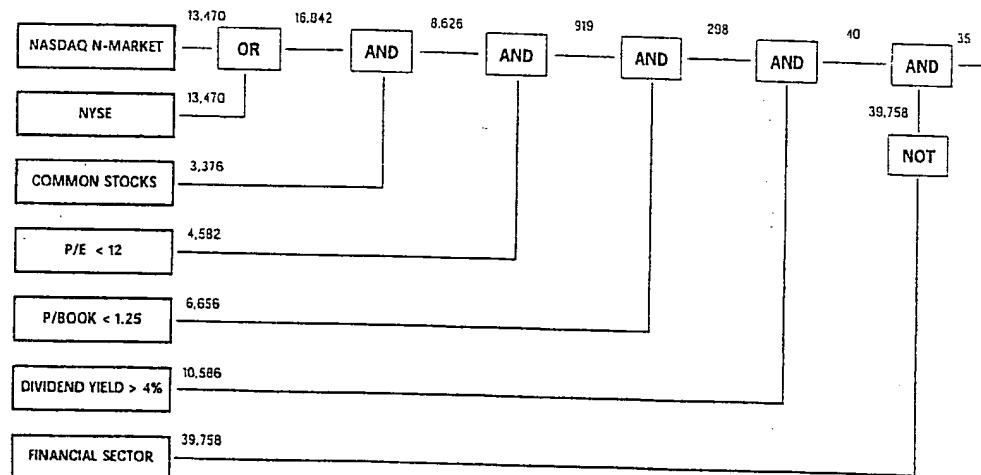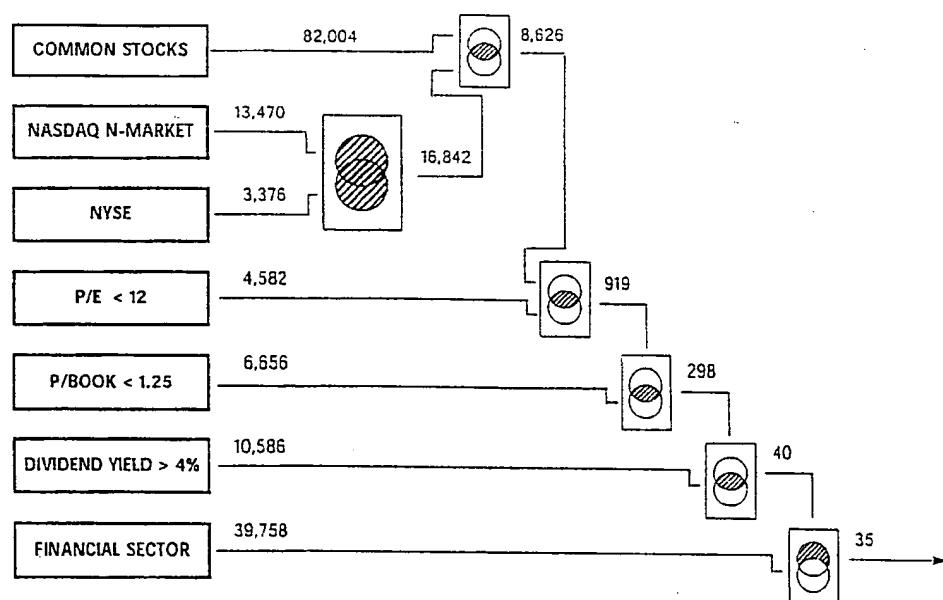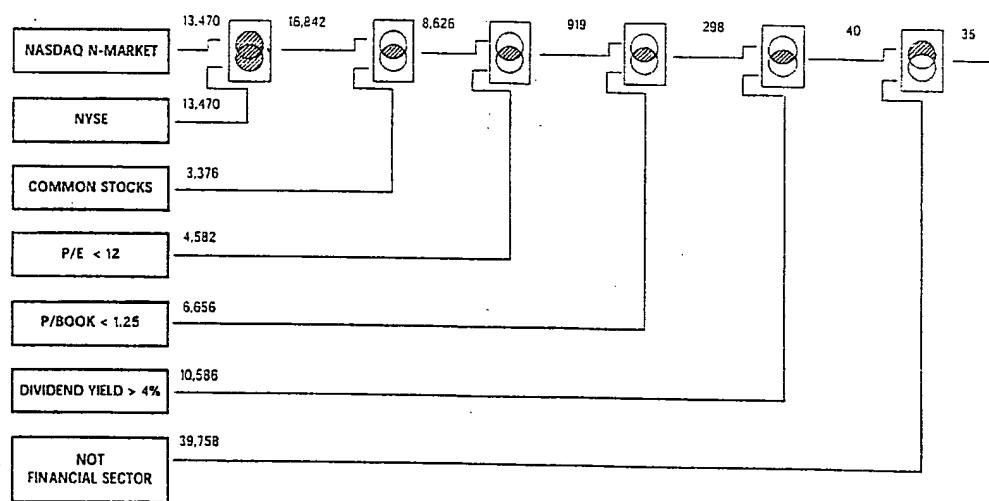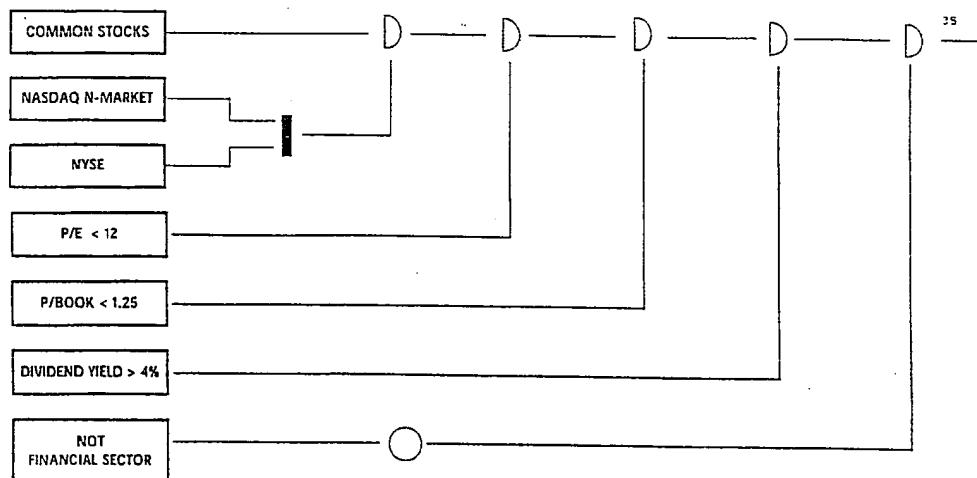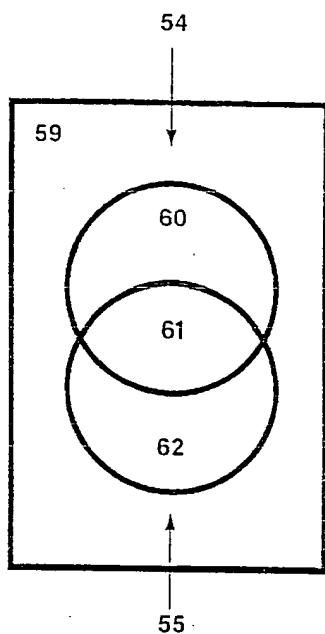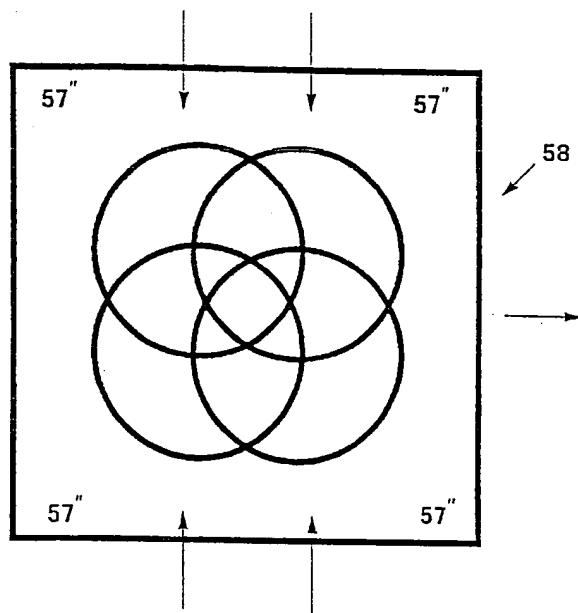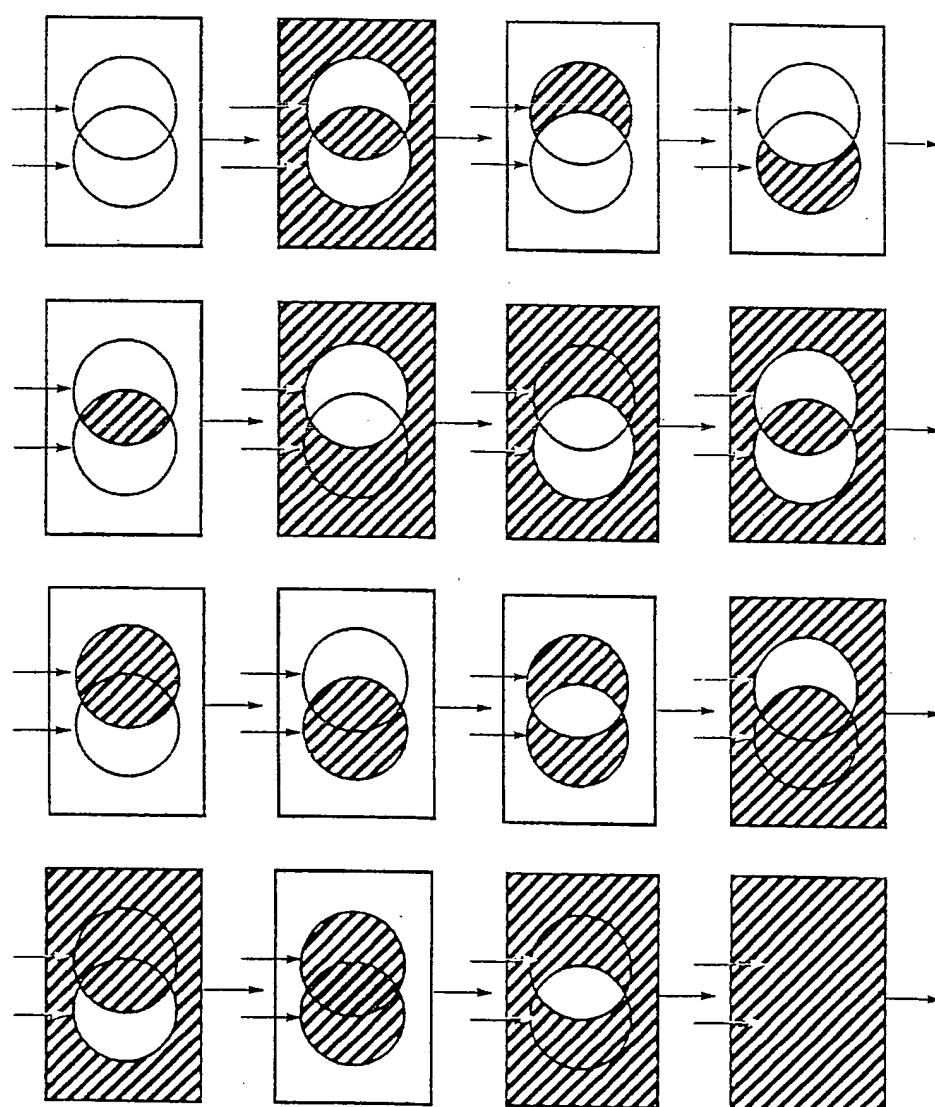
FIGURE 6

FIGURE 7

FIGURES 8A-D

FIGURE 8A(1)          FIGURE 8A(2)
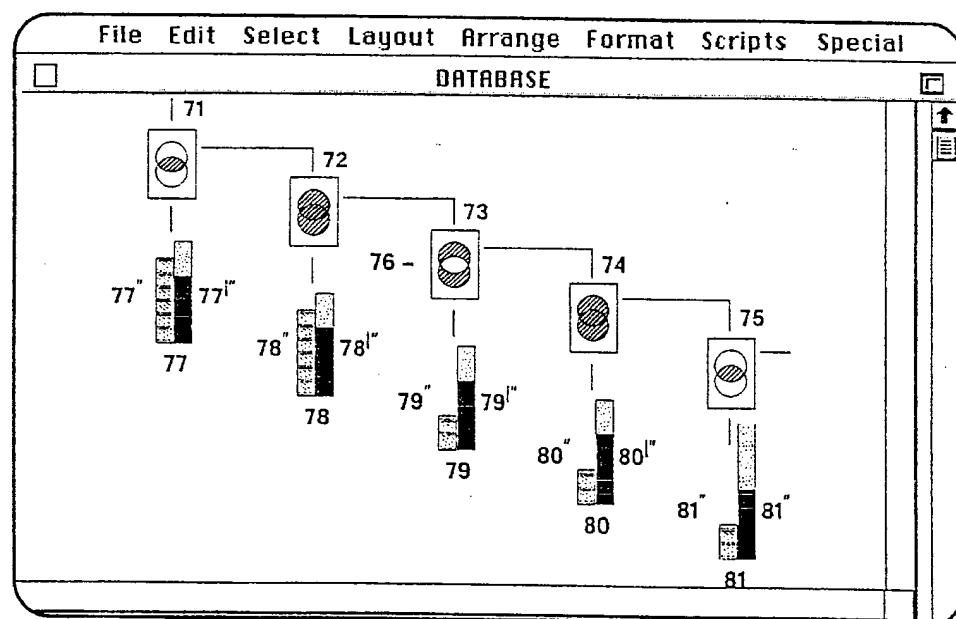
FIGURE 8B                 FIGURE 8C
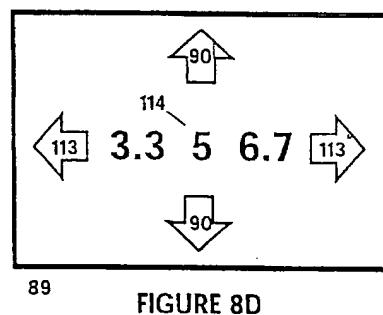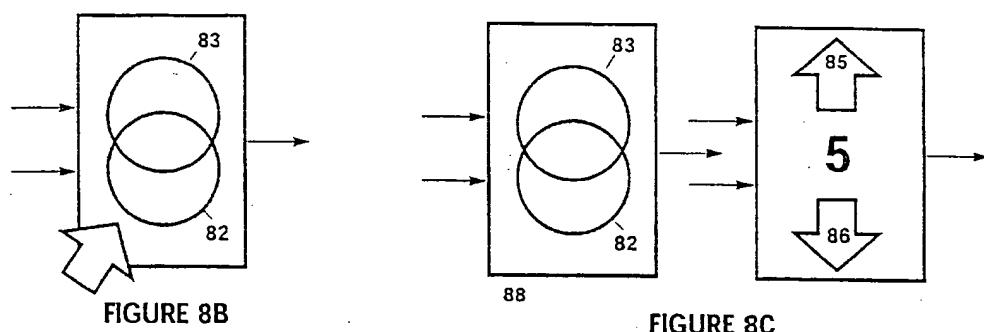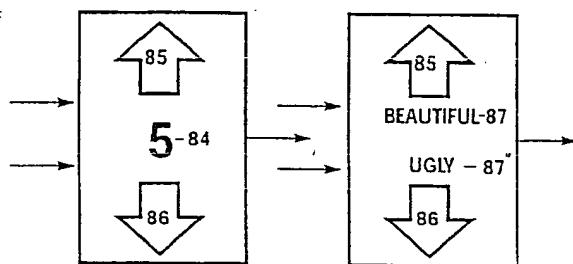
FIGURE 8D

FIGURE 8E

Parametric Controls
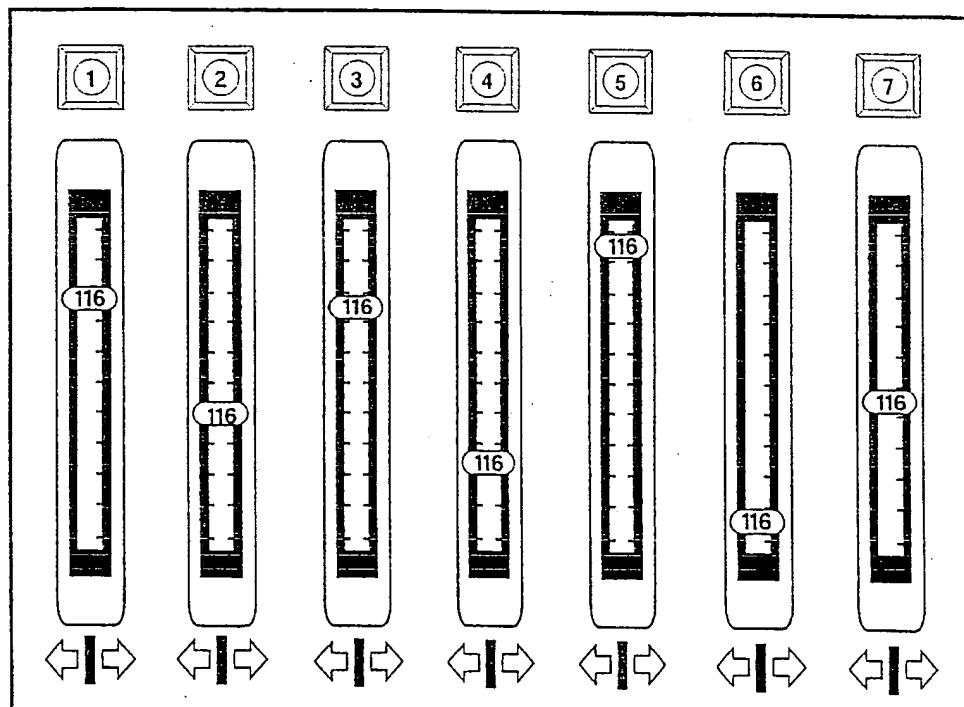


115

FIGURE 9

OUTPUT OPTIONS

| PROCEDURES: | RESULTS GUIDED BY: |
|---|---|
| • POINT & CLICK  • DRAG  • SELECT ANY AREA(S)<br>• SELECT AUTOMATIC SEQUENCE BY RELEVANCE | • IMPLICIT OR EXPLICIT RELEVANCE RULE OR RANKING<br>• SEQUENCE OF INPUT OPERATIONS |

CONCENTRIC CIRCLES

LESS PERTINENT     MORE PERTINENT

95
94
93
92
91

BULL'S EYE =
HIGHEST PROBABLE
QUALITY HITS

PYRAMID

LESS PERTINENT     MORE PERTINENT

96
97
98
99
100
101

TRIANGLE

LESS PERTINENT     MORE PERTINENT

102
103
104
105
106

## FIGURE 10